

(12) INTERNATIONAL APPLICATION PUBLISHED IN ACCORDANCE WITH THE PATENT COOPERATION TREATY (PCT)

(19) World Organization for Intellectual Property International Bureau



PCT

(43) International publication date: 20 October 2005

(10) International publication number:
WO 2005/097584 A1

(51) International patent classification⁷: B62D 53/08

(21) International file number: PCT/EP2005/003018

(22) International application date: 22 March 2005

(25) Language of submittal: German

(26) Language of publication: German

(30) Priority information:

10 2004 016 005.8 1 April 2004 DE

(71) Applicant (for all designated countries except US):

JOST WERKE GMBH & CO KG [DE/DE]; Im Mainfeld 40, 60528 Frankfurt am Main (DE).

(72) Inventor; and

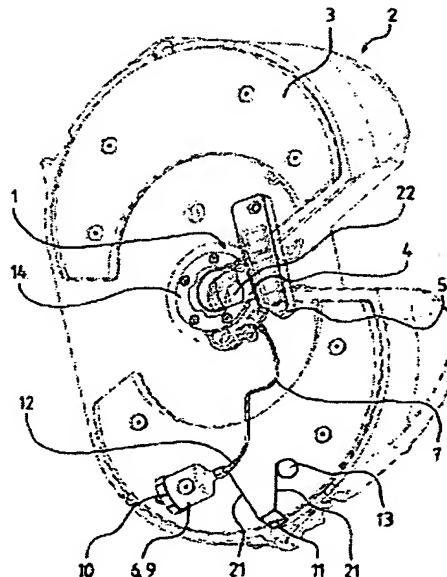
(75) Inventor/applicant (only for US): SCHMIDT, DIRK [DE/DE]; Wiesbadener Strasse 61c, 61462 Königstein (DE). ALGÜERA, JOSE [DE/DE]; Bessenbacher Weg 85, 63738 Aschaffenburg (DE); ZHANG, FAN [DE/DE]; Am Schifferstück 127, 65479 Rauheim (DE); SEIGIS, HEINZ-JÜRGEN [DE/DE]; Grosse Wiese 24, 63776 Mömbris (DE); POHL, WOLFGANG [DE/DE]; Sudetenring 82, 63303 Dreieich (DE).

(74) Attorney: FUCHS, Jürgen, H. usw.; Fuchs Mehler Weiss & Fritzsche, Söhnleinstrasse 8; 65201 Wiesbaden (DE).

(81) Designated countries (for every available type of national patent protection, unless otherwise indicated): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI,

(continued on other side)

(54) Title: SYSTEM FOR LUBRICATING A CLOSING MECHANISM, A CLOSING BAR AND CLOSING HOOK



(57) Abstract: The invention relates to a system for lubricating a closing mechanism (1) on a saddle coupling (2) comprising a closing mechanism (1) which is arranged on the lower side of a coupling plate (3) and which comprises at least one closing hook (4) and/or closing bar (5), provided with a coating, and a fat reservoir (6) which is connected to the closure hook (4) by means of a lubricating line (7). The invention also relates to a coating of individual components of the system, i.e. the closing hook (4) and the closing bar (5), in addition to the use of a coating. The invention is characterised in that the coating of the closing hook (4) and/or the closing bar (5) is embodied as a sliding coating (8).

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated countries (for every available type of regional patent protection, unless otherwise indicated): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL,

PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration per Rule 4.17:

- *Inventor's declaration (Rule 4.17, number iv) only for US*

Published:

- *with international search report*

For an explanation of the two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" at the start of each regular issue of the PCT Gazette.